



## CONSOL TOP 133 HB

Fiber Reinforce, Shrinkage Compensated Repair Mortar

### DESCRIPTION

**CONSOL TOP 133 HB** is an added polyamide fibres to cement based polymer modified compound. It is consist of two-component to produce excellent shrinkage compensated repair mortar suitable for structural concrete and masonry repairs.

### RECOMMENDED FOR

**CONSOL TOP 133 HB** has excellent comprehensive strength suitable for :

- Repairing unwanted hollow and preventing shrinkage.
- Reshaping imperfect concrete edges for girders and pile.
- Repairing structural concrete on high chloride and sea salts.
- Protecting steel bars from corrosion.
- Repair cracks on rigid pavement.

### BENEFITS

**CONSOL TOP 133 HB** provides the following properties of benefit such as:

- Shrinkage compensated
- Adjusted consistency.
- High resistance to chloride and salt water.
- Low permeability.
- Good adhesion.
- Excellent comprehensive strength.

### COVERAGE

2.2 kg/m<sup>2</sup> per mm thickness

### INSTRUCTION FOR USE

#### Surface Treatment

1. Prepare surface area by cleaning and grinding.
2. Use potable water to damp the surface until saturated surface dry (SSD) with no standing water.

#### Mixing

Pre-Batched units:

Add Component B to Component A partially together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max.300rpm) until reaching desire consistency and a uniform grey color. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within this pot life. Best to use trowel with desire result. It can be coated with **Consol Top 133 HB** to require smoothness finishing.

### APPLICATION

#### Curing

Cure with an approved curing method such as water treatment or Consol Cure S or Consol Cure E White Curing Compound.

#### Cleaning Tools

Clean all tools and application equipment with general cleaner after use. Hardened/cured material can only be mechanically removed.

### TECHNICAL DATA

#### Form

A: Liquid                      B: Powder

#### Colour

Concrete Grey

#### Mixing Ratio

Comp. A : B = 1 : 6.3 by weight

**Mixing Density** Approx. 1.9 kg/l

**Pot Life 30° C** 25 minutes

**Bond Strength to concrete 28 days**

≥15 kg/cm<sup>2</sup> (concrete failure)

**Compressive Strength (ASTM C-109)**

<b>1 Day</b>	: ~100~150 kg/ cm <sup>2</sup>
<b>3 Days</b>	: ~250~300 kg/ cm <sup>2</sup>
<b>7 Days</b>	: ~300~350 kg/ cm <sup>2</sup>
<b>28 Days</b>	: ~400~450 kg/ cm <sup>2</sup>

**Shelf Life** 9 months when unopened.

**Storage** Dry, cool, shaded place

**Packaging** 30 kg set

#### Handling Precautions

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.